



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

December 06, 2017

Mr. Dave Shelow & Ms Fran Verhalen
U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-06
RTP, NC 27709
Project Name: Chloroprene

Dear Mr. Dave Shelow & Ms Fran Verhalen,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 11/20/17 10:33 through 11/21/17 10:37.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift
Program Manager
julie.swift@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify julie.swift@erg.com and delete the report without retaining any copies.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-06

RTP, NC 27709

ATTN: Mr. Dave Shelow & Ms Fran Verhalen

PHONE: (919) 541-3776 **FAX:** -

FILE #: 0344.00

REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Levee	7112018-01	Air	11/16/17 13:18	11/20/17 10:33
238 Chad Baker	7112018-02	Air	11/16/17 13:26	11/20/17 10:33
East St. John the Baptist High	7112018-03	Air	11/16/17 12:50	11/20/17 10:33
Acorn and Hwy 44	7112018-04	Air	11/16/17 13:15	11/20/17 10:33
Ochsner Hospital	7112018-05	Air	11/16/17 13:04	11/20/17 10:33
Fifth Ward Elementary School	7112018-06	Air	11/16/17 13:22	11/20/17 10:33
Fifth Ward Elementary School	7112018-07	Air	11/16/17 13:22	11/20/17 10:33
Levee C1	7112110-01	Air	11/19/17 12:57	11/21/17 10:37
Levee C2	7112110-02	Air	11/19/17 12:57	11/21/17 10:37
East St. John the Baptist High	7112110-03	Air	11/19/17 12:42	11/21/17 10:37
238 Chad Baker	7112110-04	Air	11/19/17 13:04	11/21/17 10:37
Acorn and Hwy 44	7112110-05	Air	11/19/17 12:53	11/21/17 10:37
Ochsner Hospital	7112110-06	Air	11/19/17 12:46	11/21/17 10:37
Fifth Ward Elementary School	7112110-07	Air	11/19/17 13:00	11/21/17 10:37



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AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 7112018-01

Sampled: 11/16/17 13:18

Pressure @ Receipt: 7.50" Hg

Canister #: 5090

Received: 11/20/17 10:33

Comments: PR-2 Start 12:18 11/15/17

Analyzed: 11/28/17 11:41

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.179	0.65		0.020



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REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 7112018-02

Sampled: 11/16/17 13:26

Pressure @ Receipt: 7.00" Hg

Canister #: 19646

Received: 11/20/17 10:33

Comments: PR-15 Start 12:33 11/15/17

Analyzed: 11/28/17 12:43

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	7.95	28.80		0.020



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REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7112018-03

Sampled: 11/16/17 12:50

Pressure @ Receipt: 7.00" Hg

Canister #: SAT042

Received: 11/20/17 10:33

Comments: PR-8 Start 11:56 11/15/17

Analyzed: 11/28/17 13:45

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.010	0.04	U	0.020



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REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 7112018-04

Sampled: 11/16/17 13:15

Pressure @ Receipt: 12.00" Hg

Canister #: SAT125

Received: 11/20/17 10:33

Comments: PR-1 Start 12:15 11/15/17

Analyzed: 11/28/17 14:49

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.012	0.04	U	0.020



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REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7112018-05

Sampled: 11/16/17 13:04

Pressure @ Receipt: 7.00" Hg

Canister #: SAT162

Received: 11/20/17 10:33

Comments: PR-23 Start 12:08 11/15/17

Analyzed: 11/28/17 15:51

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.010	0.04	U	0.020



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FILE #: 0344.00

REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7112018-06

Sampled: 11/16/17 13:22

Pressure @ Receipt: 7.00" Hg

Canister #: 19643

Received: 11/20/17 10:33

Comments: Col 1 PR-24 Start 12:30 11/15/17

Analyzed: 11/29/17 10:14

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	8.92	32.40	D	0.039



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FILE #: 0344.00

REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7112018-07

Sampled: 11/16/17 13:22

Pressure @ Receipt: 12.50" Hg

Canister #: 5112

Received: 11/20/17 10:33

Comments: Col 2 PR-21 Start 12:30 11/15/17

Analyzed: 11/29/17 11:16

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	11.3	41.00	D	0.039



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FILE #: 0344.00

REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee C1	Lab ID: 7112110-01	Sampled: 11/19/17 12:57
Pressure @ Receipt: 11.50" Hg	Canister #: 5053	Received: 11/21/17 10:37
Comments: Col 1 PR-21 Start 12:51 11/18/17		Analyzed: 11/28/17 21:10

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	6.65	24.10		0.020



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FILE #: 0344.00

REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee C2

Lab ID: 7112110-02

Sampled: 11/19/17 12:57

Pressure @ Receipt: 7.50" Hg

Canister #: SAT077

Received: 11/21/17 10:37

Comments: Col 2 PR-2 Start 12:51 11/18/17

Analyzed: 11/28/17 22:13

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	6.78	24.60		0.020



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FILE #: 0344.00

REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7112110-03

Sampled: 11/19/17 12:42

Pressure @ Receipt: 8.50" Hg

Canister #: 5050

Received: 11/21/17 10:37

Comments: PR-8 Start 12:34 11/18/17

Analyzed: 11/29/17 01:23

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.010	0.04	U	0.020



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FILE #: 0344.00

REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 7112110-04

Sampled: 11/19/17 13:04

Pressure @ Receipt: 7.50" Hg

Canister #: SAT068

Received: 11/21/17 10:37

Comments: PR-15 Start 12:57 11/18/17

Analyzed: 11/29/17 02:26

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.009	0.03	U	0.020



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FILE #: 0344.00

REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 7112110-05

Sampled: 11/19/17 12:53

Pressure @ Receipt: 13.00" Hg

Canister #: 19650

Received: 11/21/17 10:37

Comments: PR-1 Start 12:46 11/18/17

Analyzed: 11/29/17 03:29

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.038	0.14		0.020



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FILE #: 0344.00

REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7112110-06

Sampled: 11/19/17 12:46

Pressure @ Receipt: 8.00" Hg

Canister #: 19645

Received: 11/21/17 10:37

Comments: PR-23 Start 12:40 11/18/17

Analyzed: 11/29/17 04:31

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.053	0.19		0.020



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REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7112110-07

Sampled: 11/19/17 13:00

Pressure @ Receipt: 7.50" Hg

Canister #: 19340

Received: 11/21/17 10:37

Comments: PR-24 Start 12:54 11/18/17

Analyzed: 11/29/17 05:33

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.010	0.04	U	0.020



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FILE #: 0344.00

REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B7K2203 - Summa Canister Prep

Blank (B7K2203-BLK1)

Prepared: 11/13/17 Analyzed: 11/28/17

Chloroprene	ND	ppbv				U
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Blank (B7K2203-BLK2)

Prepared: 11/13/17 Analyzed: 11/29/17

Chloroprene	ND	ppbv				U
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Duplicate (B7K2203-DUP1)

Source: 7112018-06

Prepared: 11/16/17 Analyzed: 11/29/17

Chloroprene	8.68	ppbv	8.92	2.72	25	D
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Duplicate (B7K2203-DUP2)

Source: 7112018-07

Prepared: 11/16/17 Analyzed: 11/29/17

Chloroprene	11.6	ppbv	11.30	2.43	25	D
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Duplicate (B7K2203-DUP3)

Source: 7112110-01

Prepared: 11/16/17 Analyzed: 11/28/17

Chloroprene	6.69	ppbv	6.65	0.646	25	D
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Duplicate (B7K2203-DUP4)

Source: 7112110-02

Prepared: 11/19/17 Analyzed: 11/29/17

Chloroprene	6.87	ppbv	6.78	1.18	25	
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FILE #: 0344.00

REPORTED: 12/06/17 15:52

SUBMITTED: 11/20/17 to 11/21/17

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	% Difference	Limit (%)	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Sequence 1711058

Calibration Check (1711058-CCV1)

Prepared & Analyzed: 11/28/17

Chloroprene	2.74	ppbv	11.3	30.00
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Calibration Check (1711058-CCV2)

Prepared: 11/28/17 Analyzed: 11/29/17

Chloroprene	2.54	ppbv	3.2	30.00
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AQS SITE CODE:

SITE CODE: Chloroprene

Notes and Definitions

U	Under Detection Limit
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
D	This result obtained by dilution.
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, tran-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.